**Tidal Wave Energy Plant in Gujarat**

3196. SHRIMATI CHANDRIKA ABHINANDAN JAIN: Will the PRIME MINISTER be pleased to state:

(a) whether any tidal wave energy plant is likely to be set up in Kandla Port area of Gujarat;

(b) whether this project is technologically viable;

(c) whether there is any other site available in the State where such project can be set-up; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF NON CONVENTIONAL ENERGY SOURCES (SHRI S. KRISHNA KUMAR): (a) and (b) Yes Sir, a proposal for generation of about 900 MW power by harnessing Tidal Energy in the Gulf of Katchh in Gujarat has been under consideration. The techno-economic feasibility report by Central Electricity Authority/National Hydro Electric Power Corporation has estimated the project cost to be about Rs. 6000 crores. In view of the very high capital cost, low plant load factor of only about 21 percent and change in timing of tidal peak and therefore power output every day, the project proposal is not considered to be economically viable vis-a-vis other means of power currently available.

(c) and (d) A tidal power potential of about 7500 MW power exists in the Gulf of Cambay in Gujarat if a tidal power plant with a barrage approx 30 KM in length and about 30 M deep is built accross the Gulf. Details of the project proposal have however not been worked out as it was considered prudent by the Department of Power to first examine the techno-economic viability of the 900 MW Tidal Power Project in the Gulf of Katchh to gain experience.

**Task Force for Tapping the Potential of Biomass-Based Co-Generation**

3197. SHRI SURESH PACHOURI: Will the PRIME MINISTER be pleased to state:

(a) whether Task Force' was set up to suggest the ways of tapping the vast potential of biomass-based co-generation;

(b) if so, whether the study by the Task Force has shown that by crushing 500 TCD Tonne per day, sugar plants could generate as much as 9 MW of surplus power for 5 to 6 months every year with an incremental investment of only Rs. 2.3. Crores;

(c) if so, whether the report of the Task Force was considered by Government; and

(d) by when it is likely to be implemented?

THE MINISTER OF STATE IN THE MINISTRY OF NON CONVENTIONAL ENERGY SOURCES (SHRI S. KRISHNA KUMAR); (a) Yes Sir.

(b) The Task Force has estimated that a sugar mill crushing 2500 Tonnes of cane per day can generate upto 9 MW of surplus power during the cane crushing season. The incremental investment for this purpose has been estimated at Rs. 23.00 Crores.

(c) Yes Sir.

(d) Based on the main recommendations of the Task Force a National Programme for promotion of bagasse based cogeneration in sugar mills has been launched in January, 1994.

**सौर ऊर्जा के द्वारा ग्रामीण विद्युतीकरण**

3198. श्री एस.एस. अहलुवालिया : क्या प्रधान मंत्री यह बताने की कृपा करेंगे कि :

(क) क्या सरकार ने बिहार में सौर ऊर्जा के संवर्धन के द्वारा ग्रामीण विद्युतीकरण की कोई योजना तैयार की है;

(ख) यदि हां, तो तत्संबंधी ब्यौरा क्या है; और